

FIGURE 1A

[illegible]

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+      *      *      *      *      *      *      *      *      *      *
SEQ ID NO: 37 EYEVVTEGDGYILGIDRIPYGRKNSE-NIGRR-PVAFIQHGLLASATNWISNLPNNSLAFI
SEQ ID NO: 38 IYTVATDDGYILEMHRIPFGKTNVTWPNNGKR-PVVFVQHGGLLCASDWWVNLDPDQSAGFL
SEQ ID NO: 14 EHNVETKDGFLLSLQHIPHGKN--KAADSTGPPVFLQHGLFQGGDTWFINSAEQSLGYI
SEQ ID NO: 18 EHEVTDDGYILSLQRIPEGRG-KSSGSGTRKQPVVIQHGVLVDGMTWLLNPPEQDLPLI
SEQ ID NO: 20 EHTIQTKDGFLLGLQRVSSSSSLRLRNHGDGPPVILLHGLFMAGDAWFLNTPEQSLGFI
61
120

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SEQ	ID NO: 37	LADAGYDVWLGNSRGNTWARRNLYYSPDSVEFWAFSFDEMA KYDLPATIDFILKKTGQDK	**	*	*	*	*	*	*	+	+	*
SEQ	ID NO: 38	FADAGFDVWLGNMGRNTYSMKHKDLKPSHSAFWDSWDEMATYDLNAMINHVLVETGQDS	**	*	*	*	*	*	*	+	+	*
SEQ	ID NO: 14	LADNGFDVWIGNVRGTRWSKGHSTFSVHDKLFWDWSWQELAEYDLLAMLGYVYTVTQS - K	**	*	*	*	*	*	*	+	+	*
SEQ	ID NO: 18	LADNGFDVWIANTRGTRYRRHISLDPSSQAYNWSWDELVSYDFPAVFNYVFSQTGQ - K	**	*	*	*	*	*	*	+	+	*
SEQ	ID NO: 20	LADHGFDDVWVGNRGTRWSHGHI SLLEKKKQFWDWSWQELALYDVAEMINYINSVTNS - K	**	*	*	*	*	*	*	+	+	*

121 180

FIGURE 1B

SEQ ID NO: 37	+	***	**	++	+	++++	*	++	
SEQ ID NO: 38									
SEQ ID NO: 14									
SEQ ID NO: 18									
SEQ ID NO: 20									
									181
									240
SEQ ID NO: 37			*	+	++		*	*	* * * * *
SEQ ID NO: 38									
SEQ ID NO: 14									
SEQ ID NO: 18									
SEQ ID NO: 20									
									241
									300
SEQ ID NO: 37			++	*	+	*	+	+	++
SEQ ID NO: 38									
SEQ ID NO: 14									
SEQ ID NO: 18									
SEQ ID NO: 20									
									301
									360

LHVVGHSQGTIGFIAFSTNP-KIAKRIKTFYALAPVATVKYTETLLNKLMLVPSFFLTKL
VYMGHSQGTITMFSHLSKDDGSFAKKIKKFFALAPIGSVKHIKGFLS---FFANY-FSL
ILYVGHSQGTIMGLAALT---PEIVKMISAAALLCPISYLDHVSASFV-LRAVAMHLDQM
INYVGHSGLTLVALASFSE--GKLVTLQKSAALLSPIAYLSHMNTALG-VVAPKSFVGEI
IFVVGHSQGTIISLAAFTQ--PEIVEKVEAAALLSPISYLDHVSAPLV-LRMVKMHIDEM
-----IFGNKIFYPHFFDQFIATEVCSRETVDL-LCSNALFIICGFDTMNLMNSRLD
EFDGWFDIFGAGEFLPNNWAMKLAADI CGGLKVEADLNDVLF LIAGPESDQWNQTRVP
LV-----TMGIHQINFRSDMGVQIVDSL CDGEHVD---CNNLLSAITGENC-CFNTSRID
TT-----LFGLAEFNPKGLAVDAFLKSLCAHPGID---CYDLLLTALTGKNC-CLNSSSTVD
IL-----TMGIHQINFKSEWGASLLVSLCDT-RLS---CNDMLSSITGKNC-CFNESRVE
VYLSHNPAGTSVQNVLHWSQAVKSGKFAFDWGSFVQNMHHYHQSMPPYYNLTDMHVP
WYATHDPAGTSTQNI VHWMQMVHHGGVPAYDWGKTNNKKK-YGQANPPPEYDFTAIKGT
YYLEYEPHPSSSTKNLHHLFQMIKGTFAKYDYGLLG-NLRRYGHRLRPPAFDLSSIPESLP
LFLMNEPQSTSTKNMVHLAQTVRIGALTGFNYVRPDYNIIMHYGEIFPPIYNLSNIPHDLP
FYLEQEPHPSSSKNLNHLFQMIKGTYSKYDYGKLIK-NLIEYGKFNPPKFDLSRIPKSLP

FIGURE 1C

SEQ ID NO: 37	V--WNGGNDLLADPHDVDLLLSKL-PNLIYHRK---	IPPNHLDFIWAMDAPQAVYNEIV	*	*	*	*	*	*	*
SEQ ID NO: 38	YLYWSDADWLADTPDVPDYLLTRINPAIVAQNN--	HLPDYNHLDFTWGIRAPDDIYRPAI							
SEQ ID NO: 14	IWMGYGGGLDALADVTDVQRTIREL---	GSTPELLYIGDYGHIDFVMSVKAKDDVYVDLI							
SEQ ID NO: 18	LFISYGGRDALSDVRDVENLLDKLKFHDENKRSVQFI	QEYAHADYIMGFNAKDLVYNVAVL							
SEQ ID NO: 20	IWMAYGGNDALADITDFQHTLKE---	PSPPEVVYLENYGHVDFILSLQAKQDLYDPMI							
	361								420

SEQ ID NO: 37	SMMGTD----	NK
SEQ ID NO: 38	KLCTDD--	YLGK
SEQ ID NO: 14	RFLRENGWHNSY	
SEQ ID NO: 18	SFFNHQ----	V
SEQ ID NO: 20	SFFKSSGKFSSM	
	421	433